

USSN: 10/760,326  
Response to Office Action Dated 10/24/2006

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AMENDMENTS TO THE CLAIMS

1. (previously presented) A resin composition comprising a polymer and at least 5% by weight of an ester compound, wherein the ester compound and the polymer are obtained by reacting a diene, a dienophile and a rosin acid in the presence of a disproportionation agent, wherein the dienophile is an aromatic vinylic hydrocarbon.
2. (original) A resin composition according to claim 1 comprising at least 10% by weight of the ester compound.
3. (original) A resin composition according to claim 1, wherein the polymer has no acid functionalities.
4. (currently amended) A resin composition according to claim 1, wherein the ester compound and the polymer are obtained by reacting a diene, a dienophile and a carboxylic acid present in from a reaction mixture, wherein the reaction mixture comprises comprising up to about 75% by weight of the diene, up to about 55% by weight of the dienophile, and from about 10 to about 75% by weight of the carboxylic rosin acid.
5. (original) A resin composition according to claim 4, wherein the reaction mixture comprises from about 15 to about 60% by weight of the diene, from about 10 to about 45% by weight of the dienophile, and from about 15 to about 60% by weight of the carboxylic acid.
6. (currently amended) A resin composition according to claim 1, wherein the resin composition has an acid number below about 50.
7. (currently amended) A resin composition according to claim 1, wherein the resin composition has an acid number below about 20.
8. (cancelled)

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9. (cancelled)

10. (original) A resin composition according to claim 1, wherein the diene is a hydrocarbon diene.

11. (original) A resin composition according to claim 10, wherein the diene is a cyclic hydrocarbon diene.

12. (original) A resin composition according to claim 11, wherein the diene is a polycyclic hydrocarbon diene.

13. (original) A resin composition according to claim 12, wherein the diene is dicyclopentadiene.

14. (cancelled)

15. (cancelled)

16. (previously amended) A resin composition according to claim 1, wherein the dienophile is styrene.

17. (currently amended) A resin composition comprising a polymer and at least 5% by weight of an ester compound, wherein the ester compound and the polymer are obtained by reacting a polycyclic hydrocarbon diene, a dienophile and a rosin acid or a mixture of rosin acids in the presence of a disproportionation agent, wherein the dienophile is an aromatic vinylic hydrocarbon, and wherein the resin composition has an acid number below about 50.

18. (cancelled)

19. (cancelled)

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20. (currently amended) A resin composition according to claim 17, wherein the ester compound and the polymer are obtained by reacting up to about 75% by weight of the diene, up to about 55% by weight of the dienophile, and from about 10 up to about 75% by weight of the rosin acid or the mixture thereof.

21. (currently amended) A resin composition comprising at least 5% by weight of an ester compound, and a polymer, wherein the ester compound and the polymer are obtained by reacting a polycyclic hydrocarbon diene, styrene and a rosin acid or a mixture of rosin acids in the presence of a disproportionation agent.

22. (cancelled)

23. (cancelled)

24. (cancelled)

25. (cancelled)

26. (currently amended) A method for producing a resin composition which comprises providing a reaction mixture comprising up to about 75% by weight of a diene, up to about 55% by weight of a dienophile, wherein the dienophile is an aromatic vinylic hydrocarbon, and from about 10 to about 75% by weight of a rosin acid in the presence of a disproportionation agent, heating the reaction mixture at a temperature from about 175 °C. up to about 310 °C. for about 1 up to about 2 hours.

27. (previously presented) A method for producing a resin composition according to claim 26, wherein the reaction mixture comprises from about 15 to about 60% by weight of a diene, from about 10 to about 45% by weight of a dienophile, and from about 15 to about 60% by weight of a rosin acid.

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**28. (cancelled)**

**29. (cancelled)**

**30. (cancelled)**